

APPENDIX B  
IRON AND STEEL SCRAP

National Bureau of Standards specifications for iron and steel scrap are to be used in classifying scrap. These specifications are contained in Simplified Practice Recommendation No. R58-38, Classification of Iron and Steel Scrap, available upon request from the National Bureau of Standards, Washington 25, D. C.

APPENDIX C

STEEL BARS, RODS, PLATES, SHEETS, STRIPS AND STRUCTURAL SHAPES

The following AISI (American Iron and Steel Institute) size classifications for flat rolled carbon and alloy steel and AISI size, shape, and finish classifications for stainless steel are to be used in classifying steel bars, rods, plates, sheets, and strips in Schedule B commodity classifications.

Products conforming to the size and other classifications shown in the AISI classification as "Bar" (including angles, channels, tees, or zeos with greatest cross-sectional dimension of less than 3 inches, generally called "bar-size shapes") are to be classified in the appropriate Schedule B classifications for steel bars and rods under commodity numbers 602010-602090, 602300-602600.

Products conforming to the size and other classifications shown in the AISI classification as "Plate" are to be classified in the appropriate Schedule B classifications for plate under commodity numbers 603120-603180.

Products conforming to the size and other classifications shown in the AISI classification as "Sheet" or "Black Plate" are to be classified in the appropriate Schedule B classifications for steel sheets under commodity numbers 603450-603595. (Products conforming to the size classifications shown for "Black Plate" in the AISI flat rolled carbon steel classification are to be classified under Schedule B commodity numbers 603520, 603530.)

Products conforming to the size and other classifications shown in the AISI classification as "Strip" are to be classified in the appropriate Schedule B classifications which include iron and steel strip under commodity numbers 603710, 603750, 603790, 603810, 603850, 603890.

AISI Size Classifications for Flat Rolled Carbon Steel  
(excluding semi-finished products\*)

WIDTH - INCHES	THICKNESS - INCH									
	.2500 and thicker	.2499 to .2300	.2299 to .2031	.2030 to .1875	.1874 to .1800	.1799 to .0568	.0567 to .0344	.0343 to .0255	.0254 to .0142	.0141 and thinner
3½ and under	Bar	Bar (2)	Bar (2)	Strip (1)	Strip (1)	Strip (1)	Strip (1)	Strip (1)	Sheet (2)	Sheet (2)
Over 3½ to 6	Bar	Bar (2)	Bar (2)	Strip (1)	Strip (1)	Strip (1)	Strip (1)	Sheet (2)	Sheet (2)	Sheet (2)
Over 6 to 12	Plate (1 & 6)	Plate (1)	Strip (1)	Strip (1)	Strip (1)	Strip (1)	Sheet (2)	Sheet (2)	Sheet (2)	Sheet (2)
Over 12 to 24 excl.	Plate (3 & 5)	Plate (3)	Sheet (3)	Sheet (3)	Sheet (3)	Sheet (3)	Sheet (3)	Sheet (3)	Sheet (3)	Black Plate (3)
24 to 32	Plate (4)	Plate (4)	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet	Black Plate
Over 32 to 48	Plate (4)	Plate (4)	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet
Over 48	Plate (4)	Plate (4)	Plate (4)	Plate (4)	Plate (4)	Sheet	Sheet	Sheet	Sheet	Sheet

\*Ingots, blooms, billets, and slabs comprise the primary group of steel mill products designated as "semi-finished".

<sup>1</sup>If spring or bumper steel special sections, including parabolic sections, classify as BARS.

<sup>2</sup>If cold rolled, classify as STRIP.

<sup>3</sup>If C.R. special edge or finish, or Temper as in A.S.T.M. Spec. A-109, classify as STRIP.

<sup>4</sup>If cold rolled, classify as SHEET.

<sup>5</sup>If C.R. not with special edge, finish or temper, classify as SHEET.

<sup>6</sup>If cold rolled, classify as BAR.

# APPENDIX C—Continued

## AISI Size Classifications for Flat Rolled Alloy Steel

WIDTH, INCHES	THICKNESS, INCH						
	0.2300 and thicker	0.2299 to 0.2031	0.2030 to 0.1800	0.1799 to 0.0568	0.0567 to 0.0344	0.0343 to 0.0255	0.0254 thinner
To 3½ Incl.....	Bar	Bar	Strip	Strip	Strip	Strip	Sheet
Over 3½ to 6 Incl.....	Bar	Bar	Strip	Strip	Strip	Sheet	Sheet
Over 6 to 24 Excl.....	Plate	Strip	Strip	Strip	Sheet	Sheet	Sheet
24 to 48 Incl.....	Plate	Sheet	Sheet	Sheet	Sheet	Sheet	Sheet
Over 48.....	Plate	Plate	Plate	Sheet	Sheet	Sheet	Sheet

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## AISI Size, Shape, and Finish Classifications for Stainless Steel

SHAPE AND FINISH	SIZE
<u>BAR</u> - Hot-rolled or forged rounds, squares, octagons and hexagons:  Hot-rolled flats:  Cold-finished rounds, squares, octagons, hexagons and shapes:  Cold-finished flats:	¼ inch and over in diameter or size  10 inches and under in width 1/8 inch and over in thickness  over ½ inch in diameter or size  3/8 inch and over in width 1/8 inch and over in thickness
<u>PLATE</u> - Flat-rolled or forged:	10 inches and over in width over 0.176 inch in thickness
<u>SHEET</u> - Flat-rolled in coils or cut lengths:  Polished finishes Nos. 4 to 8 inclusive:	24 inches and over in width 0.176 inch and under in thickness  all widths under 3/16 inch in thickness
<u>STRIP</u> - Hot-rolled, or hot-rolled, annealed and pickled coils for rerolling only:  Cold-finished in coils or cut lengths: }	under 24 inches in width under ¼ inch in thickness  under 24 inches in width under 3/16 inch in thickness

## STRUCTURAL SHAPES

Structural shapes, Schedule B commodity numbers 604500 and 604600, are defined by the American Iron and Steel Institute as "the general term applied to the rolled flanged sections having at least one dimension of their cross section 3 inches or greater, for use in the construction of bridges, buildings, ships, railroad rolling stock, and for numerous other constructional purposes. (Channel, angle, tee and zee sections less than 3 inches in greatest cross-sectional dimension are termed bar-size sections, and classified according to the bar classifications.)"